CLAIMS

What is claimed is:

1.   A method for transmitting A/V data signals in a wireless network comprising:

        receiving a stream of A/V data signals, each of the data signals

5   corresponding to a particular symbol;

        arranging the symbols in a series of frames; and

        interleaving the symbols in one of the frames with symbols in an adjacent

one of frames in the series of frames.

2.   The method of claim 1 further comprising:

10   transmitting each of the frames to a remote receiver; and

        de-interleaving the samples at the remote receiver.

3.   The method of claim 2 wherein de-interleaving restores the previous series of

frames.

4.   The method of claim 1 wherein interleaving further comprises interleaving

15   using a predetermined number of symbols.

5.   The method of claim 4 wherein the predetermined number of symbols to be

interleaved are selected according to a predetermined spreading computation.

6.   The method of claim 5 wherein the predetermined spreading computation is a

dynamic computation.

7.   The method of claim 6 wherein the predetermined number of symbols varies as a result of link transmission characteristics.

8.   The method of claim 7 wherein the link transmission characteristics are selected from the group consisting of protocol type, bit error rate (BER), signal-to-noise ratio (SNR), framing marker, and sampling rate.

9.   The method of claim 1 wherein the receiving the stream of A/V data signals further comprises receiving signals output from a vocoder.

10.   The method of claim 1 wherein the A/V data signals are selected from the group consisting of compressed voice, compressed video, and Voice Over IP (VOIP).

11.   The method of claim 1 wherein each of the frames contain a predetermined number of symbols.

12.   The method of claim 1 further comprising recreating portions of a frame from the interleaved symbols.

13.   A system for transmitting A/V data signals in a wireless network comprising:

       a stream of A/V data signals, each of the data signals corresponding to a particular symbol;

       a frame generator operable to arrange the symbols into a series of frames; and

       a symbol interleaver operable to interleave symbols from one of the series of frames with symbols from an adjacent series of frames.

14.   The system of claim 13 further comprising a de-interleaver at a remote receiver and operable to de interleave the frames.

15.   The system of claim 14 wherein the de-interleaver is operable to restore the previous series of frames.

16.   The system of claim 14 wherein the de-interleaver is further operable to recreate portions of a frame from the interleaved symbols.

5   17.   The system of claim 13 wherein the symbol interleaver is further operable to interleave using a predetermined number of symbols.

18.   The system of claim 17 wherein the symbol interleaver is further operable to select the predetermined number of symbols according to a predetermined spreading computation.

10   19.   The system of claim 18 wherein the predetermined spreading computation is a dynamic computation.

20.   The system of claim 19 wherein the predetermined number of symbols varies as a result of link transmission characteristics.

21.   The system of claim 20 wherein the link transmission characteristics are selected
15   from the group consisting of protocol type, bit error rate (BER), signal -to-noise ratio (SNR), framing marker, and sampling rate.

22.   The system of claim 13 wherein the stream of A/V signals further comprises receiving signals output from a vocoder.

23.   The system of claim13 wherein the symbol interleaver is further operable to
20   interleave A/V data signals selected from the group consisting of compressed voice, compressed video, and Voice Over IP (VOIP).

24.   The system of claim 13 wherein each of the frames contain a predetermined number of symbols.

25.   A computer program product having computer program code for transmitting A/V data signals in a wireless network comprising:

5   computer program code for receiving a stream of A/V data signals, each of the data signals corresponding to a particular symbol;

computer program code for arranging the symbols in a series of frames;

computer program code for interleaving the symbols in one of the frames with symbols in an adjacent one of frames in the series of frames;

10   computer program code for transmitting each of the frames to a remote receiver; and

computer program code for de-interleaving the samples at the remote receiver.

26.   A computer data signal for transmitting A/V data signals in a wireless network

15   comprising:

program code for receiving a stream of A/V data signals, each of the data signals corresponding to a particular symbol;

program code for arranging the symbols in a series of frames;

program code for interleaving the symbols in one of the frames with

20   symbols in an adjacent one of frames in the series of frames;

program code for transmitting each of the frames to a remote receiver; and

program code for de-interleaving the samples at the remote receiver.

27.   A system for transmitting A/V data signals in a wireless network comprising:

25   means for receiving a stream of A/V data signals, each of the data signals corresponding to a particular symbol;

means for arranging the symbols in a series of frames;

means for interleaving the symbols in one of the frames with symbols in an adjacent one of frames in the series of frames;

means for transmitting each of the frames to a remote receiver; and

5   means for de-interleaving the samples at the remote receiver.